

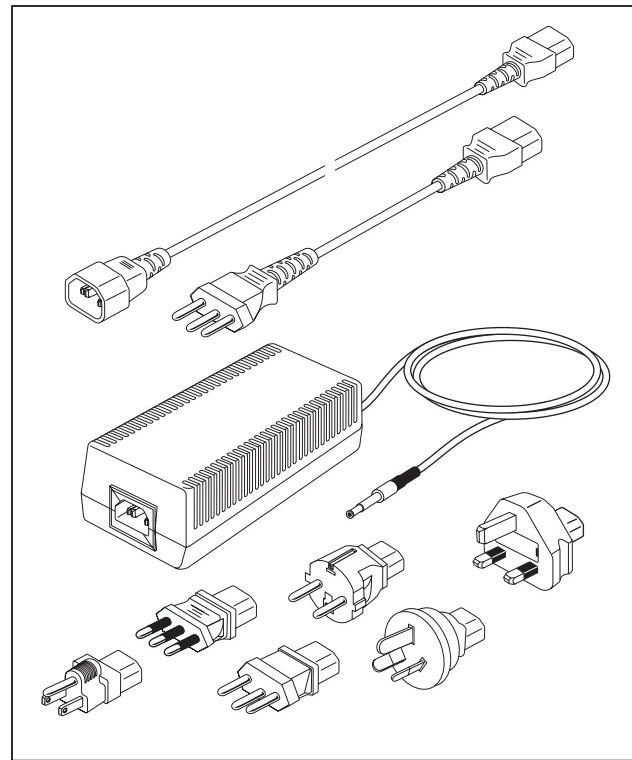
BC430/820

Universal Mains-Power Adapter

Instruction Sheet

Introduction

The BC430/820 is a universal mains-power adapter for measurement, control, and laboratory equipment. The BC430/820 is intended for operating and charging the Fluke 430-Series ScopeMeter Test Tool. The mains-power adapter is based on the switched-mode concept for high efficiency and low stand-by power consumption. It operates in a wide range of input voltages from 100 Vac up to 240 Vac nominal. A universal mains cable and a set of mains plug adapters are included. The adapter is suitable for most types of mains outlets.



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BC430/820 Mains-Power Adapter

PN 4465879

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- +1-888-993-5853 in U.S.A. and Canada
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Unpack

This universal mains-power adapter consists of the following items:

- BC430/820 Switch Mode Power Adapter (main unit) with dc cable
- Universal mains cord with male and female connector
- Set of mains plug adapters (6 qty), for all standard mains outlets
- Brazilian style mains cord adapter (0.25 m / 10 inch approximate)

At delivery of the BC430/820, make sure that the set is complete and all items are undamaged. Contact your supplier if you see any damage.

Operation

Warning

To prevent electrical shock, fire, or personal injury:

- **Read these instructions carefully before using the Product.**
- **Use the Product only with Fluke test tools that have the type number 'BC430' specified for charge and operation.**
- **Use this Product only as specified.**
- **Do not open the Product, it has no user-serviceable parts inside.**
- **Do not use the Product around explosive gas, vapor, or in damp or wet environments.**

The power cord connects the Product to the mains system. Do not block access to the power cord and power plug, these must remain accessible to the user at all times.

The Product is not equipped with a power switch. Disconnect the mains plug from the mains system when not in use.

In case the power adapter is damaged or any damage is suspected, disconnect from the mains system and have qualified service personnel inspect the Product before reconnecting to the mains system again.

To use:

1. Connect the mains plug adapter to the universal power cord.
2. Connect the cable to the Battery Charger/Power Adapter.
3. Connect the power plug adapter to the mains system.
4. Connect the dc plug to the instrument.

For continuous operation and recording with the test tool, keep the power adapter connected.

Consult the Fluke 430-Series Test Tool User Manual for safety information before making any measurements.

Always fully charge the test tool battery before storage.

Specifications

Input

Nominal input voltage 100 Vac to 240 Vac, ±10 %
Input current 0.35 A at max. load
Nominal input frequency 50/60 Hz ±10 %
Mains inlet IEC 60320-1 type C14

Output

Output voltage 18 Vdc ±5 %
Output current 0 mA to 840 mA
Output cable length 2 m (6.5 ft)
Output connector 5 mm outer diameter, per DIN45232
Output polarity Inner contact negative, outer contact positive

Physical characteristics

Dimensions of main unit 79 mm x 149 mm x 49 mm
Housing material Heat resistant ABS
Color (housing and cable) Black
Weight 0.35 kg
IP Rating IEC 60529:IP40

Environmental

Operating temperature 0 °C to 50 °C (32 °F to 122 °F), up to 90 % rel. humidity, no condensation
Storage temperature -40 °C to +70 °C, 10 to 95 % rel. humidity
Max. altitude 2000 m (6562 ft) above sea-level

Included accessories

Power cord Universal cord with set of power plugs
Universal Mains cord Length 1.5 m (5 ft), male to female
Power plug adapters included US-style, UK-style, European ('Schuko'), Chinese/Australian, Italian, Swiss, Brazilian (adapter cord)

General

Safety approval 600 V CAT IV acc. IEC/EN61010-1 for Measurement, Control and Laboratory use.
EMC compatibility EN 61326-1; FCC (47 CFR 15)

Symbols

International electrical symbols used on the Product and in this document are explained below.

	Risk of danger. Important information.
	Double Insulated
	DC (Direct Current)
	Hazardous voltage. Risk of electrical shock.
	Conformité Européenne
	Energy Efficiency level V
	This product complies with the WEEE Directive (2002/96/EC) marking requirements. The affixed label indicates that you must not discard this electrical/electronic product in domestic household waste. Product Category: With reference to the equipment types in the WEEE Directive Annex I, this product is classed as category 9 "Monitoring and Control Instrumentation" product. Do not dispose of this product as unsorted municipal waste. Go to Fluke's website for recycling information.
	Conforms to relevant South Korean EMC Standards.
	Conforms to relevant North American Safety Standards.